RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/646,493A
Source: IFW16
Date Processed by STIC: 08/25/2005

ENTERED

IFW16

RAW SEQUENCE LISTING DATE: 08/25/2005
PATENT APPLICATION: **US/10/646,493A** TIME: 16:17:59

Input Set : **A:\seq listing.ST25.txt**
Output Set: **N:\CRF4\08252005\J646493A.raw**

```
      3 <110> APPLICANT: Rose, Eric
      4       Stern, David
      5       Schmidt, Ann Marie
      6       Spanier, Talia
      8 <120> TITLE OF INVENTION: Methods for Inhibiting Thrombosis in a Patient Whose Blood
is
      9       Subject to Extracorporeal Circulation
     11 <130> FILE REFERENCE: 0575/50634-BA
     13 <140> CURRENT APPLICATION NUMBER: US 10/646,493A
     14 <141> CURRENT FILING DATE: 2003-08-21
     16 <160> NUMBER OF SEQ ID NOS: 27
     18 <170> SOFTWARE: PatentIn version 3.3
     20 <210> SEQ ID NO: 1
     21 <211> LENGTH: 29
     22 <212> TYPE: DNA
     23 <213> ORGANISM: artificial sequence
     25 <220> FEATURE:
     26 <223> OTHER INFORMATION: Oligonucleotide for producing Factor IXmi; nnn is the
complement
     27       to a DNA codon for any one of the standard amino acids other than
     28       serine
     31 <220> FEATURE:
     32 <221> NAME/KEY: misc_feature
     33 <222> LOCATION: (14)..(16)
     34 <223> OTHER INFORMATION: n is a, c, g, or t
     36 <400> SEQUENCE: 1
W--> 37 tacagttcct ctannncccc ctggggtac                                    29
     40 <210> SEQ ID NO: 2
     41 <211> LENGTH: 30
     42 <212> TYPE: DNA
     43 <213> ORGANISM: artificial sequence
     45 <220> FEATURE:
     46 <223> OTHER INFORMATION: Oligonucleotide for producing FactorIXmi; nnn is the
complement
     47       to a DNA codon for any one of the standard amino acids other than
     48       serine
     51 <220> FEATURE:
     52 <221> NAME/KEY: misc_feature
     53 <222> LOCATION: (14)..(16)
     54 <223> OTHER INFORMATION: n is a, c, g, or t
     56 <400> SEQUENCE: 2
W--> 57 tacagttcct ctannncccc ctggggtaca                                   30
     60 <210> SEQ ID NO: 3
     61 <211> LENGTH: 31
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62 <212> TYPE: DNA
63 <213> ORGANISM: artificial sequence

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     65 <220> FEATURE:
     66 <223> OTHER INFORMATION: Oligonucleotide for producing FactorIXmi; nnn is the
complement
     67       to a DNA codon for any one of the standard amino acids other than
     68       serine
     71 <220> FEATURE:
     72 <221> NAME/KEY: misc_feature
     73 <222> LOCATION: (14)..(16)
     74 <223> OTHER INFORMATION: n is a, c, g, or t
     76 <400> SEQUENCE: 3
W--> 77 tacagttcct ctannncccc ctggggtaca a                                    31
     80 <210> SEQ ID NO: 4
     81 <211> LENGTH: 30
     82 <212> TYPE: DNA
     83 <213> ORGANISM: artificial sequence
     85 <220> FEATURE:
     86 <223> OTHER INFORMATION: Oligonucleotide for producing FactorIXmi; nnn is the
complement
     87       to a DNA codon for any one of the standard amino acids other than
     88       serine
     91 <220> FEATURE:
     92 <221> NAME/KEY: misc_feature
     93 <222> LOCATION: (15)..(17)
     94 <223> OTHER INFORMATION: n is a, c, g, or t
     96 <400> SEQUENCE: 4
W--> 97 gtacagttcc tctannnccc cctggggtac                                      30
    100 <210> SEQ ID NO: 5
    101 <211> LENGTH: 31
    102 <212> TYPE: DNA
    103 <213> ORGANISM: artificial sequence
    105 <220> FEATURE:
    106 <223> OTHER INFORMATION: Oligonucleotide for producing FactorIXmi; nnn is the
complement
    107       to a DNA codon for any one of the standard amino acids other than
    108       serine
    111 <220> FEATURE:
    112 <221> NAME/KEY: misc_feature
    113 <222> LOCATION: (15)..(17)
    114 <223> OTHER INFORMATION: n is a, c, g, or t
    116 <400> SEQUENCE: 5
W--> 117 gtacagttcc tctannnccc cctggggtac a                                    31
    120 <210> SEQ ID NO: 6
    121 <211> LENGTH: 32
    122 <212> TYPE: DNA
    123 <213> ORGANISM: artificial sequence
    125 <220> FEATURE:
    126 <223> OTHER INFORMATION: Oligonucleotide for producing FactorIXmi; nnn is the
complement
    127       to a DNA codon for any one of the standard amino acids other than
    128       serine
    131 <220> FEATURE:
    132 <221> NAME/KEY: misc_feature
    133 <222> LOCATION: (15)..(17)
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RAW SEQUENCE LISTING DATE: 08/25/2005
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134 <223> OTHER INFORMATION: n is a, c, g, or t
136 <400> SEQUENCE: 6
W--> 137 gtacagttcc tctannnccc cctggggtac aa **32**
140 <210> SEQ ID NO: 7
141 <211> LENGTH: 31
142 <212> TYPE: DNA
143 <213> ORGANISM: artificial sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Oligonucleotide for producing FactorIXmi; nnn is the complement
147 to a DNA codon for any one of the standard amino acids other than
148 serine
151 <220> FEATURE:
152 <221> NAME/KEY: misc_feature
153 <222> LOCATION: (16)..(18)
154 <223> OTHER INFORMATION: n is a, c, g, or t
156 <400> SEQUENCE: 7
W--> 157 agtacagttc ctctannncc ccctggggta c **31**
160 <210> SEQ ID NO: 8
161 <211> LENGTH: 32
162 <212> TYPE: DNA
163 <213> ORGANISM: artificial sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Oligonucleotide for producing FactorIXmi; nnn is the complement
167 to a DNA codon for any one of the standard amino acids other than
168 serine
171 <220> FEATURE:
172 <221> NAME/KEY: misc_feature
173 <222> LOCATION: (16)..(18)
174 <223> OTHER INFORMATION: n is a, c, g, or t
176 <400> SEQUENCE: 8
W--> 177 agtacagttc ctctannncc ccctggggta ca **32**
180 <210> SEQ ID NO: 9
181 <211> LENGTH: 33
182 <212> TYPE: DNA
183 <213> ORGANISM: artificial sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Oligonucleotide for producing FactorIXmi; nnn is the complement
187 to a DNA codon for any one of the standard amino acids other than
188 serine
191 <220> FEATURE:
192 <221> NAME/KEY: misc_feature
193 <222> LOCATION: (16)..(18)
194 <223> OTHER INFORMATION: n is a, c, g, or t
196 <400> SEQUENCE: 9
W--> 197 agtacagttc ctctannncc ccctggggta caa **33**
200 <210> SEQ ID NO: 10
201 <211> LENGTH: 29
202 <212> TYPE: DNA
203 <213> ORGANISM: artificial sequence

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Input Set : A:\seq listing.ST25.txt
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205 <220> FEATURE:
206 <223> OTHER INFORMATION: Oligonucleotide for producing FactorIXmi; nnn is the complement
207 to a DNA codon for any one of the standard amino acids other than
208 aspartic acid and cysteine
211 <220> FEATURE:
212 <221> NAME/KEY: misc_feature
213 <222> LOCATION: (14)..(16)
214 <223> OTHER INFORMATION: n is a, c, g, or t
216 <400> SEQUENCE: 10
W--> 217 attcatgtta gtannntaac gcgaagacc 29
220 <210> SEQ ID NO: 11
221 <211> LENGTH: 30
222 <212> TYPE: DNA
223 <213> ORGANISM: artificial sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Oligonucleotide for producing FactorIXmi; nnn is the complement
227 to a DNA codon for any one of the standard amino acids other than
228 aspartic acid and cysteine
231 <220> FEATURE:
232 <221> NAME/KEY: misc_feature
233 <222> LOCATION: (14)..(16)
234 <223> OTHER INFORMATION: n is a, c, g, or t
236 <400> SEQUENCE: 11
W--> 237 attcatgtta gtannntaac gcgaagacct 30
240 <210> SEQ ID NO: 12
241 <211> LENGTH: 31
242 <212> TYPE: DNA
243 <213> ORGANISM: artificial sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Oligonucleotide for producing FactorIXmi; nnn is the complement
247 to a DNA codon for any one of the standard amino acids other than
248 aspartic acid and cysteine
251 <220> FEATURE:
252 <221> NAME/KEY: misc_feature
253 <222> LOCATION: (14)..(16)
254 <223> OTHER INFORMATION: n is a, c, g, or t
256 <400> SEQUENCE: 12
W--> 257 attcatgtta gtannntaac gcgaagacct t 31
260 <210> SEQ ID NO: 13
261 <211> LENGTH: 30
262 <212> TYPE: DNA
263 <213> ORGANISM: artificial sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Oligonucleotide for producing FactorIXmi; nnn is the complement
267 to a DNA codon for any one of the standard amino acids other than
268 aspartic acid and cysteine
271 <220> FEATURE:
272 <221> NAME/KEY: misc_feature
273 <222> LOCATION: (15)..(17)

RAW SEQUENCE LISTING DATE: 08/25/2005
PATENT APPLICATION: US/10/646,493A TIME: 16:17:59

Input Set : A:\seq listing.ST25.txt
Output Set: N:\CRF4\08252005\J646493A.raw

```
     274 <223> OTHER INFORMATION: n is a, c, g, or t
     276 <400> SEQUENCE: 13
W--> 277 tattcatgtt agtannntaa cgcgaagacc                                  30
     280 <210> SEQ ID NO: 14
     281 <211> LENGTH: 31
     282 <212> TYPE: DNA
     283 <213> ORGANISM: artificial sequence
     285 <220> FEATURE:
     286 <223> OTHER INFORMATION: Oligonucleotide for producing FactorIXmi; nnn is the
complement
     287       to a DNA codon for any one of the standard amino acids other than
     288       aspartic acid and cysteine
     291 <220> FEATURE:
     292 <221> NAME/KEY: misc_feature
     293 <222> LOCATION: (15)..(17)
     294 <223> OTHER INFORMATION: n is a, c, g, or t
     296 <400> SEQUENCE: 14
W--> 297 tattcatgtt agtannntaa cgcgaagacc t                                31
     300 <210> SEQ ID NO: 15
     301 <211> LENGTH: 32
     302 <212> TYPE: DNA
     303 <213> ORGANISM: artificial sequence
     305 <220> FEATURE:
     306 <223> OTHER INFORMATION: Oligonucleotide for producing FactorIXmi; nnn is the
complement
     307       to a DNA codon for any one of the standard amino acids other than
     308       aspartic acid and cysteine
     311 <220> FEATURE:
     312 <221> NAME/KEY: misc_feature
     313 <222> LOCATION: (15)..(17)
     314 <223> OTHER INFORMATION: n is a, c, g, or t
     316 <400> SEQUENCE: 15
W--> 317 tattcatgtt agtannntaa cgcgaagacc tt                               32
     320 <210> SEQ ID NO: 16
     321 <211> LENGTH: 31
     322 <212> TYPE: DNA
     323 <213> ORGANISM: artificial sequence
     325 <220> FEATURE:
     326 <223> OTHER INFORMATION: Oligonucleotide for producing FactorIXmi; nnn is the
complement
     327       to a DNA codon for any one of the standard amino acids other than
     328       aspartic acid and cysteine
     331 <220> FEATURE:
     332 <221> NAME/KEY: misc_feature
     333 <222> LOCATION: (16)..(18)
     334 <223> OTHER INFORMATION: n is a, c, g, or t
     336 <400> SEQUENCE: 16
W--> 337 ttattcatgt tagtannnta acgcgaagac c                                31
     340 <210> SEQ ID NO: 17
     341 <211> LENGTH: 32
     342 <212> TYPE: DNA
     343 <213> ORGANISM: artificial sequence
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/25/2005
PATENT APPLICATION: **US/10/646,493A** TIME: 16:18:00

Input Set : **A:\seq listing.ST25.txt**
Output Set: **N:\CRF4\08252005\J646493A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 14,15,16
Seq#:2; N Pos. 14,15,16
Seq#:3; N Pos. 14,15,16
Seq#:4; N Pos. 15,16,17
Seq#:5; N Pos. 15,16,17
Seq#:6; N Pos. 15,16,17
Seq#:7; N Pos. 16,17,18
Seq#:8; N Pos. 16,17,18
Seq#:9; N Pos. 16,17,18
Seq#:10; N Pos. 14,15,16
Seq#:11; N Pos. 14,15,16
Seq#:12; N Pos. 14,15,16
Seq#:13; N Pos. 15,16,17
Seq#:14; N Pos. 15,16,17
Seq#:15; N Pos. 15,16,17
Seq#:16; N Pos. 16,17,18
Seq#:17; N Pos. 16,17,18
Seq#:18; N Pos. 16,17,18
Seq#:19; N Pos. 17,18,19
Seq#:20; N Pos. 17,18,19
Seq#:21; N Pos. 17,18,19
Seq#:22; N Pos. 18,19,20
Seq#:23; N Pos. 18,19,20
Seq#:24; N Pos. 18,19,20
Seq#:25; N Pos. 19,20,21
Seq#:26; N Pos. 19,20,21
Seq#:27; N Pos. 19,20,21

VERIFICATION SUMMARY DATE: 08/25/2005
PATENT APPLICATION: **US/10/646,493A** TIME: 16:18:00

Input Set : **A:\seq listing.ST25.txt**
Output Set: **N:\CRF4\08252005\J646493A.raw**

L:37 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:457 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0